Important!

It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

Subject to technical modifications.
Safety, performance, and dependability have been given top priority in the design of your grass trimmer, brushcutter, hedge trimmer, and pole pruner.

**INTENDED USE**

The product is intended to be used only by adults who have read and understood the instructions and warnings in this manual and can be considered responsible for their actions. The product is only intended for use outdoors in a well-ventilated area. For safety reasons, the product must be adequately controlled by a two-handed operation.

The grass trimmer/brushcutter fitted with the grass trimmer head (and appropriate guard) is intended for cutting long grass, pulpy weed, and similar vegetation at or about ground level. When fitted with the blade (and appropriate guard), it can also cut bushes. The product is not designed to be fitted with a saw blade. The cutting plane should be approximately parallel to the ground surface. The product should not be used to cut or trim hedges, bushes, or other vegetation where the cutting plane is not parallel to the ground surface.

The hedge trimmer is designed for home or domestic use. It is intended to cut and trim hedges, shrubs, and similar vegetation where stems or twigs are less than 24 mm thick. It should be used in dry, well-illuminated conditions. It is not intended to cut grass, trees, or branches.

The pole pruner is designed for cutting and pruning of small limbs and branches whose diameter is less than or equal to the bar length, and are located high in the tree while the operator maintains a steady footing on the ground. The product has a maximum length of 2.1 m. Do not exceed this working length. It is not intended to be used while climbing or as a conventional chainsaw for close quarter limbing and pruning of material at ground level.

Do not use the product for any other purpose.

**WARNING**

To reduce the risk of injury, the user must read and understand the operator’s manual.

**GENERAL SAFETY WARNINGS**

- For safe operation, read and understand all instructions before using the product. Follow all safety instructions. Failure to follow all safety instructions listed below, can result in serious personal injury.
- Some regions have regulations that restrict the use of the product. Check with your local authority for advice.
- Do not allow children or untrained individuals to use the product.
- Never start or run the engine in a closed or poorly ventilated area; breathing exhaust fumes can kill.
- Clear the work area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string, which can be thrown or become entangled in the string head or blade.
- Wear full eye and hearing protection while using the product. If working in an area where there is a risk of falling objects, head protection must be worn.
- Hearing protection may restrict the operator’s ability to hear warning sounds. Pay particular attention to potential hazards around and inside the working area.
- Wear heavy, long trousers, non-slip protective footwear, and gloves. Do not wear loose fitting clothing, short trousers, jewellery of any kind, or use with bare feet.
- Secure long hair so it is above shoulder level to prevent entanglement in any moving parts.
- Keep all bystanders, children, and pets at least 15 m away. Stop the product if anyone enters the area.
- Do not use the product when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Do not use in poor lighting. The operator needs clear unrestricted vision to identify potential hazards.
- Keep firm footing and balance at all times. Do not overreach. Overreaching can result in loss of balance or exposure to hot surfaces.
- Keep all parts of your body away from any moving part.
- Do not touch area around the silencer or cylinder of the product, these parts get hot from operation.
- Always stop the engine and allow it to cool down before making any adjustments.
- Do not smoke when mixing fuel or filling fuel tank.
- Mix and store fuel in a container approved for fuel.
Mix fuel outdoors where there are no sparks or flames. Wipe up any fuel spillage. Move 9 m away from refueling site before starting engine.

Stop the engine and allow it to cool down before refueling or storing the product.

Allow the engine to cool down; empty the fuel tank and secure the product from moving before transporting in a vehicle.

Stop the engine. Make sure all moving parts have come to a complete stop:
- before servicing
- before leaving the product unattended
- before clearing a blockage
- before checking, cleaning, and working on the product
- before changing accessories
- after striking a foreign object
- whenever performing maintenance
- whenever the product starts to vibrate abnormally

**WARNING**
Never use cutting means or attachments that are not specified by Homelite in this manual. This includes the use of metal multi-piece pivoting chains and flail-blades. These items are known to break up during use and present a high risk of serious injury to the operator or bystanders.

**WARNING**
Inspection after dropping or other impacts: Thoroughly inspect the product and identify any problems or damage to it. Any part that is damaged should be properly repaired or replaced by an authorised service centre.

**GRASS TRIMMER SAFETY WARNINGS**
- Replace the string head if cracked, chipped, or damaged in any way. Be sure the string head is properly installed and securely fastened. Failure to do so can cause serious injury.
- Avoid using on wet grass.
- Do not walk backwards when using the product.
- Walk, never run.
- The small blade fitted to the cutting attachment guard is designed to trim the new extended line to the correct length for safe and optimum performance. It is very sharp; do not touch it, particularly when cleaning the product.
- Always ensure that ventilation openings are kept clear of debris.
- Before use and after any impact, check that there are no damaged parts. Examine the cutting means for signs of cracking or other damage. A defective switch or any part that is damaged should be properly repaired or replaced by an authorised service facility.
- Make sure the head attachment is properly installed and securely fastened.
- Make sure all guards, deflectors, handles, bolts, and fasteners are properly and securely attached.
- Do not modify the product in any way. This may increase the risk of injury to yourself or others.
- Use only the manufacturer’s replacement line in the cutting head. Do not use any other cutting attachment.
- Never use the product without the cutting attachment guard in place and in good condition.
- Maintain a firm grip on both handles while trimming. Keep string head below waist level. Never cut with the string head located over 76 cm or more above the ground.

**BRUSHCUTTER SAFETY WARNINGS**
- In addition to the above rules, these additional instructions are appropriate when using the product in brushcutter mode.
- Use heavy-duty gloves while installing or removing the blades, they have sharp edges.
- Do not attempt to touch or stop the blade when it is rotating.
- A moving blade can cause severe injury. Maintain proper control of the product with both hands until the blade has completely stopped rotating.
- Replace any blade that has been damaged. Always make sure the blade is installed correctly and securely fastened before each use.
- Use only the manufacturer’s replacement blade. Do not use any other cutting attachment.
- Never cut any material over 13 mm diameter.
- Your brushcutter is fitted with a harness. Carefully adjust the harness to fit comfortably and help to support the weight of the product at your right side.
- Identify the quick release mechanism and practice using it before you start using the product. Its correct use may prevent serious injury in case of an emergency. Never wear additional clothing over the harness or otherwise restrict access to the quick release mechanism.
- Cover the blade with the blade protector before storing the product, or during transportation. Always remove the blade protector before using the product. If not removed, the blade protector could become a thrown object as the blade begins to turn.
- Exercise extreme caution when using the blade with the product. Blade thrust is the reaction that may occur when the spinning blade contacts anything it cannot
cut. This contact may cause the blade to stop for an instant, and suddenly “thrust” the product away from the object that was hit. This reaction can be violent enough to cause the operator to lose control of the product. Blade thrust may occur without warning if the blade snags, stalls, or binds. This is more likely to occur in areas where it is difficult to see the material being cut.

- For cutting ease and safety, approach the weeds being cut from the right to the left. In the event an unexpected object or woody stock is encountered, this practice could minimise the blade thrust reaction. Both hands must be used at all times to control the product.

**HEDGE TRIMMER SAFETY WARNINGS**

- Only start the engine when the hedge trimmer is in a safe working position. The manufacturer recommends that the product is placed on the ground where the blades cannot contact anything before you start the engine.
- While operating the hedge trimmer, do not overreach or stand on unstable support. Keep proper footing and balance at all times. The manufacturer does not recommend the use of steps or ladders.
- To protect yourself from electrocution, do not operate within 10 m of overhead electrical lines.
- Do not operate the product with a damaged or excessively-worn cutting device.
- To reduce fire hazard, keep the engine and the silencer free of debris, leaves, or excessive lubricant.
- Always ensure that all handles and guards are fitted and in good condition when using the hedge trimmer. Never attempt to use an incomplete hedge trimmer or one fitted with an unauthorised modification.
- Always use two hands to operate the hedge trimmer, which is fitted with two handles.
- Ensure before each use that all controls and safety devices function correctly. Do not use the product if the “O” (off) switch does not stop the engine. The defective switch must be replaced by an authorised service centre.
- Inspect the hedge trimmer before each use. Check for fuel leaks or loose fasteners, etc. Do not operate if fuel is leaking or handles and guards are not secure and fully functional.
- If the cutting mechanism strikes any foreign object or the hedge trimmer starts making any unusual noise or vibration, shut off the power source and allow the hedge trimmer to stop before taking the following steps:
  - inspect for damage
  - check for, and replace, any loose parts. Damaged parts should be replaced or repaired immediately with parts having equivalent specifications.
- To stop the hedge trimmer in an emergency. Press the on/off switch to the “O” (off) position.

**ADDITIONAL WARNINGS**

- Do not touch the area around the silencer or engine of the product, these parts get very hot during operation.
- Do not modify the product in any way.
- Do not force the hedge trimmer through heavy shrubbery. This can cause the blades to bind and slow down. If the blades slow down, reduce the pace.
- Do not attempt to cut stems or twigs that are larger than 24 mm thick, or those obviously too large to feed into the cutting blade. Use a non-powered hand saw or pruning saw to trim large stems.
- Ensure to keep a running or hot engine and silencer well away from combustible materials to reduce the risk of fire.

**POLE PRUNER SAFETY WARNINGS**

- Do not use the product when there is a possibility of thunderstorm or lightning. Store the product safely indoors.
- Ensure all guards, handles are properly fitted and are in good condition.
- Do not start using the product until you have a clear work area, secure footing, and a planned retreat path away from the falling branches or limbs.
- Beware of the emission of lubricant mist and saw dust. Wear mask or respirator if required.
- During operation, hold the product with both hands. Use one hand to firmly grasp the front hand grip. Use the other hand to grasp the rear handle and operate the trigger release and engine switch.
- Cut only when visibility and light are adequate for you to see clearly.
- Do not use on a ladder or unstable support. Always cut with both feet on solid ground to prevent being pulled off balance.
- To protect yourself from electrocution, do not operate within 10 m of overhead electrical lines.
- Before starting the engine, make sure the chain is not contacting any object.
- Always cut with the engine running at full speed. Fully squeeze the throttle trigger and maintain a steady...
cutting speed.

■ Do not force the tool. Use the correct tool for your application.

■ To protect yourself from falling branches, do not stand directly under the branch or limb being cut. The product should not be held at an angle over 60° from ground level.

■ Keep the handles dry, clean, and free of lubricant or fuel mixture.

■ Shut off the engine and make sure the cutting attachment has stopped before setting the product down.

■ To prevent electrical shock or serious personal injury, do not use this product with any AC (electric) power head.

■ Your product comes with a shoulder strap. You must use it while operating the product. It will assist you to control the drop of the product after the cut is completed. It will also help support the weight of the product during use and while moving between pruning positions.

■ Identify the quick release mechanism and practice using it before you start using the product. Its correct use may prevent serious injury in case of an emergency. Never wear additional clothing over the shoulder strap or otherwise restrict access to the quick release mechanism.

■ Use only the replacement guide bars and low kickback chains specified for the product.

■ Operate the pruner in well-ventilated areas.

■ Do not operate the pruner with one hand. Serious injury to the operator, helpers, bystanders, or any combination of these persons may result from one hand operation. The product is intended for two-handed use.

■ Use extreme caution when cutting small-sized brush and saplings because slender material may catch the saw chain and be whipped toward you or pull you off balance.

■ When cutting a limb that is under tension, be alert for spring back so that you will not be struck when the tension in the wood fiber is released.

■ If the cutting performance deteriorates over time, check if the chain teeth are sharp and clean. If necessary, replace the original chain (and bar) as recommended by the manufacturer.

■ If the chain and bar become pinched or trapped in branches too high to reach, seek advice from a professional tree service specialist about safe removal of the cutting means.

■ Kickback is a dangerous reaction that can lead to serious injury. Kickback may occur when the moving chain contacts an object at the upper portion of the tip of the guide bar or when the wood closes in and pinches the chain in the cut. Contact at the upper portion of the tip of the guide bar can cause the chain to dig into the object and stop the chain for an instant. The result is a lightning-fast, reverse reaction which kicks the guide bar up and back toward the operator. If the chain is pinched along the top of the guide bar, the guide bar can be driven rapidly back toward the operator, which can cause loss of control and may result in serious injury. Do not rely exclusively upon the safety devices built into the product. With a basic understanding of kickback, you can reduce or eliminate the element of surprise. Sudden surprise contributes to accidents.

TRANSPORTATION AND STORAGE

■ Stop the engine and allow it to cool down before storing or transporting.

■ Clean all foreign materials from the product.

■ If a cutting blade is fitted, cover it with the blade protector or always fit relevant scabbard before transporting and storing when used as pole pruner/ hedge trimmer.

■ Drain all fuel from tank into a container approved for petrol. Remember to properly replace and tighten the fuel cap.

■ Run the engine until it stops, this will remove all fuel that could become stale and leave varnish and gum in the fuel system.

■ Store the product in a cool, dry, and well-ventilated place that is inaccessible to children. Keep away from corrosive agents, such as garden chemicals and de-icing salts. Do not store outdoors.

■ When transporting the product in a vehicle, secure it against movement or falling to prevent injury to persons or damage to the product.

■ Never carry or transport the product while the engine is running.

■ Abide all government and local regulations for the safety storage and handling of petrol. Excess fuel should be used in other 2-cycle engine powered equipment.

STORAGE (1 MONTH OR LONGER)

■ Drain all fuel from tank into a container approved for petrol. Run engine until it stops.

■ Clean all foreign material from the product. Store it in a well-ventilated place that is inaccessible to children.

■ Keep away from corrosive agents such as garden chemicals and de-icing salts.

■ Abide by all ISO and local regulations for the safe storage and handling of fuel. Excess fuel should be used in other 2-cycle engine powered equipment.
SHORT TERM

- Stop the engine and allow it to cool down before storing.
- Clean all foreign material from the product.
- Store the product in a cool, dry, and well-ventilated place that is inaccessible to children.
- Keep away from corrosive agents such as garden chemicals and de-icing salts.
- Do not store outdoors.

MAINTENANCE

**WARNING**

Use only original manufacturer’s replacement parts, accessories, and attachments. Failure to do so can cause possible injury, poor performance, and may void your warranty.

**WARNING**

A leaking fuel cap is a fire hazard and must be replaced immediately.

**WARNING**

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to your nearest authorised service centre for repair. When servicing, use only identical replacement parts.

**WARNING**

Do not, at any times, let brake fluids, solvents, gasoline, petroleum-based products, penetrating lubricant, etc., to come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic which may result in serious personal injury.

**WARNING**

Do not attempt to modify the product or create accessories not recommended for use with the product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

- Always stop the engine and allow it to cool down before making any maintenance.
- You may make adjustments and repairs described in this manual. For other repairs, have the product serviced by an authorised service centre.

Consequences of improper maintenance may include excess carbon deposits resulting in loss of performance and discharge of black lubricant residue dripping from the muffler.

**GRASS TRIMMER/BRUSHCUTTER**

**WARNING**

The cutting attachment must not rotate in idle mode. If this requirement is not satisfied, the clutch has to be adjusted or the product needs an urgent maintenance by a qualified technician.

**WARNING**

Note that the blade nut is a Nylon locking nut, which is to be used for one time assembly only. Do not reuse the Nylon locking nut. When installing/reinstalling, use a new Nylon locking nut. Failure to follow this procedure can result in serious injury.

**WARNING**

Make sure that the nut torque is $\geq 25$ Nm when assembling the blade. Failure to follow this procedure can result in serious injury. (See page 15, step 5b)

- For replacement line, use only filament line of the diameter described in the specification table of this manual.
- After extending the new cutter line, always return the product to its normal operation position before starting. After each use, clean the product with a soft dry cloth.
- Make sure all guards, straps, deflectors and handles are properly and securely attached to avoid the risk of personal injury.

**HEDGE TRIMMER**

**WARNING**

Blades are sharp. When handling the blade assembly, wear non-slip, heavy-duty protective gloves. Do not place your hand or fingers between blades or in any position where they could get pinched or cut. Never touch blades or service the product with the spark plug wire connected.

- Consequences of improper maintenance may include excess carbon deposits resulting in loss of performance and discharge of black lubricant residue dripping from the silencer.
- After each use, clean the body and handles of the product with a soft, dry cloth.
- After each use, clean the debris from the blades.
with a stiff brush, and then carefully apply a rust preventative lubricant before refitting the blade protector. The manufacturer recommends you to use a rust preventative and lubricant spray to apply an even distribution and reduce the risk of personal injury from contact with the blades. For information about suitable spray product, check with your local authorised service centre.

- You may wish to lubricate the blades lightly before use if necessary using the above method.
- Check all nuts, bolts, and screws at frequent intervals for proper tightness to ensure the product is in safe working condition. Any part that is damaged should be properly repaired or replaced by an authorised service centre.

**POLE PRUNER**

**WARNING**

To avoid possible serious injury, never touch or adjust the chain while the engine is running. The saw chain is very sharp; always wear protective gloves when performing maintenance to the chain.

- Stop the engine before setting the chain tension. **NOTE:** A cold chain is correctly tensioned when there is no slack on the underside of the guide bar.
- During normal operation, the temperature of the chain will increase. The drive links of a correctly tensioned warm chain or cold chain will hang approximately 1.30 mm (.050 in) out of the bar groove. **NOTE:** New chain and warm chain tends to stretch; check chain tension frequently and tension as required.
- For smooth and fast cutting, the chain needs to be maintained properly. The following conditions indicate that the chain requires sharpening or replacing:
  - Wood chips are small and powdery
  - Chain must be forced through the wood during cutting
  - Chain cuts to one side
- During maintenance of the chain, consider the following:
  - Improper filing angle of the side plate can increase the risk of a severe kickback.
  - Depth gauge (or raker clearance) setting determines the height the cutter enters the wood and the size of the wood chip that is removed. Too much clearance increases the potential for kickback. Too little clearance decreases the size of the wood chip thus decreasing the chain’s cutting ability.
  - If cutter teeth have hit hard objects such as nails and stones, or have been abraded by mud or sand on the wood, have a service agent sharpen the chain.

### MAINTENANCE SCHEDULE

<table>
<thead>
<tr>
<th>Task</th>
<th>Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check if fastener is fully tightened</td>
<td>Before each use</td>
</tr>
<tr>
<td>Check: Cutting attachment must not rotate in idle mode</td>
<td>Before each use</td>
</tr>
<tr>
<td>Check fuel hose</td>
<td>Before each use</td>
</tr>
<tr>
<td>Check all hose connections</td>
<td>Before each use</td>
</tr>
<tr>
<td>Clean fuel tank and filter ¹</td>
<td>Every 3 months or 50 hours of operation</td>
</tr>
<tr>
<td>Replace fuel filter ¹</td>
<td>Every year or after 300 hours of operation</td>
</tr>
<tr>
<td>Check fuel cap or fuel tank vapor vent (if equipped) for leakage</td>
<td>Before each use</td>
</tr>
<tr>
<td>Clean air filter</td>
<td>Every 25 hours</td>
</tr>
<tr>
<td>Change air filter</td>
<td>Every year or after 300 hours of operation</td>
</tr>
<tr>
<td>Clean or adjust spark plug</td>
<td>Every 6 months or 100 hours of operation</td>
</tr>
<tr>
<td>Replace spark plug</td>
<td>Every year or after 300 hours of operation</td>
</tr>
<tr>
<td>Clean spark arrester</td>
<td>Every 25 hours</td>
</tr>
<tr>
<td>Replace spark arrester</td>
<td>Every year or after 300 hours of operation</td>
</tr>
<tr>
<td>Clean the exhaust port and silencer</td>
<td>Every 25 hours</td>
</tr>
<tr>
<td>Pole pruner: Bar lubrication</td>
<td>Before each use</td>
</tr>
<tr>
<td>Pole pruner: Chain tension</td>
<td>Before each use and frequently</td>
</tr>
<tr>
<td>Pole pruner: Chain sharpness</td>
<td>Before each use, visual check</td>
</tr>
<tr>
<td>For damaged parts</td>
<td>Before each use</td>
</tr>
<tr>
<td>For loose fasteners</td>
<td>Before each use</td>
</tr>
</tbody>
</table>

¹ These items should only be carried out by an authorised service centre.

2 If this requirement is not met, contact an authorised service centre for repair or adjustment.

### RESIDUAL RISKS

Even when the product is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise in use and the operator should pay special attention to avoid the following:
■ Contact with cutting means
   – Ensure that the blade protectors are fitted when the product is not in use. Keep hands and feet away from the blades at all times.

■ Injury caused by vibration
   – Always use the right tool for the job, use designated handles, and restrict working time and exposure.

■ Hearing injury caused by exposure to noise
   – Wear hearing protection and limit exposure.

■ Eye injury caused by flying debris
   – Wear eye protection at all times.

■ Injury caused by falling objects
   – Wear head protection if there is any risk of falling objects.

■ Injury from contact with the exposed saw teeth of the chain

■ Injury caused by kickback or sudden and unforeseen movement of the guide bar

■ Injury caused by ejected parts of the saw chain

■ Injury caused by thrown-off parts of the work piece (wood chips and splinters)

■ Injury caused by dust and particles

■ Injury caused by skin contact with the lubricant or oil

Kickback can occur when using the brushcutter. Ensure proper control by using both hands on the designated handles. Read and follow the directions elsewhere in this manual to help reduce the risk of kickback.

RISK REDUCTION

It has been reported that vibrations from handheld tools may contribute to a condition called Raynaud’s Syndrome. Symptoms may include tingling, numbness and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking and work practices are all thought to contribute to the development of these symptoms. There are measures that can be taken by the operator to possibly reduce the effects of vibration:

■ Keep your body warm in cold weather. When operating the product, wear gloves to keep the hands and wrists warm. It is reported that cold weather is a major factor contributing to Reynaud’s Syndrome.

■ After each period of operation, exercise to increase blood circulation.

■ Ensure that the product is correctly located in a designated working position before operating the product.

■ Limit the amount of exposure per day. Take frequent work breaks.

If you experience any of the symptoms of this condition, immediately discontinue use and see your physician.

**WARNING**

Injuries may be caused, or aggravated, by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

**SYMBOLS ON THE PRODUCT**

- Safety alert
  - Read and understand all instructions before operating the product, follow all warnings and safety instructions.

- Wear eye, ear, and head protection.
  - Wear non-slip safety footwear when using the product.

- Beware of thrown or flying objects.
  - Wear non-slip, heavy-duty gloves.

- DANGER! Risk of electrocution! Do not operate within 10 m of overhead electrical lines.
  - To prevent serious injury, do not touch cutting blades.

- This product is not intended for use with a toothed saw type blade.
  - To reduce the risk of injury or damage, avoid contact with any hot surface.

- Keep hands away from blades

- Guaranteed sound pressure level at idle and sound power level
  - Set the choke lever to “Open” position.

- Set the choke lever to “Close” position.
Waiting time: 10 seconds
PRIME - press the primer bulb 10 times slowly
Pull the starter grip
Squeeze throttle trigger to start / run.
Set the throttle switch to the “I” (ON) position.
Use unleaded petrol intended for motor vehicle use with an octane rating of 91[(R+M)/2] or higher.
Starting a cold engine by hand
Starting a warm engine by hand
Use 2-stroke lubricant for air cooled engines.
Mix the fuel mix thoroughly and also each time before refueling.
TRI-ARC blade is appropriate for the product and is suited for cutting pulpy weeds and vines.
Beware of blade thrust
Rotational direction and maximum speed of the shaft for the cutting attachment.
Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.

The following signal words and meanings are intended to explain the levels of risk associated with this product.

**DANGER**
Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.

**WARNING**
Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

**CAUTION**
Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.

---

**CAUTION**
Without safety alert symbol
Indicates a situation that may result in property damage.

---

**SYMBOLS IN THIS MANUAL**

- **Note**
- **Warning**

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**ASSEMBLY**

**UNPACKING**
The product requires assembly.

- Carefully remove the product and any accessories from the box. Make sure that all items listed are included.
- Inspect the product carefully to make sure no breakage or damage occurred during shipping.

**PACKING LIST**
- Power head & upper boom x 1
- Brushcutter attachment X 1
- Hedge trimmer attachment X 1
- Pole pruner attachment X 1
- Drive tube assembly X 1
- Harness X 1
- Nylon locking nut x 3
- Manual x1
- Pruner scabbard x 1
- Cutting attachment guard x 1
- Front handle assembly x 1
- String head x 1
- Combination wrench x 1
- Wrench (13 mm) x 1
- Wrench (10 mm) x 1
- Allen wrench (5 mm) x 1
- Allen wrench (4 mm) x 1
- Chain bar x 1
- Chain x 1
ADJUSTING THE STRAP HANGER

Adjust the strap hanger to a comfortable and balanced position where the blade or cutter attachment will suspend between 100 mm and 300 mm above the ground surface.

USING THE HARNESS

NOTE: Always use the harness with the product.

NOTE: To quickly release the product from the harness, sharply pull the quick-release tab.

OPERATION

FUELING AND REFUELING

WARNING

Check for fuel leaks. If any are found, correct them before using the product to prevent fire or burn injury.

Handling Fuel Safely

- Always handle fuel with care, it is highly flammable
- Always refuel outdoors where there are no sparks and flames. Do not inhale fuel vapors. Do not smoke.
- Do not let petrol or lubricant come in contact with your skin.
- Keep petrol and lubricant away from the eyes. If petrol or lubricant comes in contact with the eyes, wash them immediately with clean water. If irritation is still present, see a doctor immediately.
- Clean up spilled petrol immediately.
- Always transport and store fuel in a container approved for petrol.

Mixing the Fuel

- The product is powered by a 2-stroke engine and requires pre-mixing petrol and 2-stroke lubricant. Premix unleaded petrol and 2-stroke engine lubricant in a clean container approved for petrol.
- This engine is certified to operate on unleaded petrol intended for automotive use with an octane rating of 91 ([R + M] / 2) or higher.
- Do not use any type of pre-mixed petrol / lubricant from fuel service stations.
- Use synthetic 2-stroke lubricant only. Do not use automotive lubricant or 2-stroke outboard lubricant.
- Mix 2% synthetic 2-stroke lubricant into the petrol. This is a 50:1 ratio.
- Mix the fuel thoroughly and also each time before fueling.
- Mix in small quantities. Do not mix quantities larger than usable in a 30 day period. A synthetic 2-stroke lubricant containing a fuel stabilizer is recommended.

Filling the Tank

- Clean surface around fuel cap to prevent contamination.
- Loosen fuel cap slowly to release pressure and to keep fuel from escaping around the cap.
- Carefully pour fuel into the tank. Avoid spillage.
- Prior to replacing the fuel cap, clean and inspect the gasket.
- Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage. Move 9 m away from refueling site before starting engine.

Operating the Grass Trimmer

- Keep a firm grip with both hands while in operation.
- The product should be held at a comfortable position with the trigger handle about hip height.
- Always operate the product at full throttle. Prolonged cutting at partial throttle will result in lubricant dripping from the silencer.
- Cut tall grass from the top down to prevent grass from wrapping around the shaft housing and string head, which may cause damage from overheating.
- If grass or debris becomes wrapped around the cutting means, stop the engine. Wear heavy-duty gloves to prevent injury from the sharp blades and carefully remove the debris.
- Do not push into the grass to be cut. Move from side to side. Move forward a little at the end of each sweep.
- Keep the product tilted towards the area being cut.
- Do not use in dangerous environments.
- Use the tip of the string to do the cutting; do not force the string head into the uncut grass.
- Wire and picket fences cause extra string wear, even breakage. Stone and brick walls, kerbs and wood may wear string rapidly.
- Avoid trees and shrubs. Tree bark, wood mouldings, cladding and fence posts can be easily damaged by the string.

Operating the Brushcutter

To help reduce the risk of kickback: Do not push into the material to be cut. Move from right to left in steady sweeps. Move forward a little at the beginning of each new sweep. The product should be held at a comfortable position with
the trigger handle about hip height.

- Maintain your grip and balance on both feet. Position yourself so that you will not be drawn off balance by the kickback reaction of the cutting blade.
- Adjust the strap hanger to a comfortable position.
- Exercise extreme caution when using the blade with the product. Blade thrust is the reaction that may occur when the spinning blade contacts anything it cannot cut. This contact may cause the blade to stop for an instant, and suddenly “thrust” the product away from the object that was hit. This reaction can be violent enough to cause the operator to lose control of the product. Blade thrust may occur without warning if the blade snags, stalls, or binds. This is more likely to occur in areas where it is difficult to see the material being cut. For cutting ease and safety, approach the weeds being cut from the right to the left. In the event an unexpected object or woody stock is encountered, this could minimize the blade thrust reaction.
- When replacing or installing the brushcutter blade, make sure to make 4.5 turns after finger tight using a combination wrench to secure the blade.

OPERATING THE HEDGE TRIMMER

- Always hold the hedge trimmer with both hands when operating. Use a firm grip on the handles. The unit is used for cutting in either direction in a slow, sweeping action from side to side.
- The hedge trimmer should be positioned so that your body will not come into contact with the silencer or the power head. Stand so that you are stable and balanced on both feet.
- Inspect and clear the area of any hidden objects.
- Never cut or trim anywhere you cannot clearly see the entire length of the blades.
- Never use the hedge trimmer near power lines, fencing, posts, buildings, or other immovable objects.
- Never use a blade after hitting a hard object without first inspecting it for damage. Do not use if any damage is detected.

OPERATING THE POLE PRUNER

- Study the condition of the tree and branches before starting work. If there are signs of damage, rot or decay, do not attempt to prune yourself. Damaged or rotten branches are highly unstable. Seek the services of a professional tree surgeon.
- Never stand under the branch to be pruned.
- Pruned branches do not always fall cleanly to the ground. They are easily caught and deflected by other foliage. Ensure that a safety zone at least twice the length of the branch to be cut is available and maintained during your pruning. If this is not possible, seek the services of a professional tree surgeon.

- Ensure that the falling branch is not a danger to yourself, bystanders or property, including utility cables.
- Never operate the product with the pole at an angle of greater than 60° from the horizontal.
- Never operate the product with the cutting means closer than 10 m from overhead power lines.
- Do not force the product, let the chain do the work at its own speed.
- Do not try to cut the branch too close to the tree trunk. Leave about 15 cm from the trunk to the cut.
- Rest the saw bar on the branch to be pruned and push the saw gently forwards so that the ribbed bumper also contacts the branch. This will aid stability, cutting, and provide cleaner cuts.
- Small and thin branches that are not heavy can be cut with one cut using the bottom of the saw bar.
- Branches with larger diameter and are heavier may break or split during the cut so the user must make a first cut from under the branch using the top of the saw bar. The first cut should be approximately one-third of the way through the branch and then make a second cut from above the branch using the bottom of the saw bar to join the first cut.
- Consider pruning large branches in manageable sections rather than as a whole.
- Never try to restart a previous cut with the chain and bar in the earlier cut. Always start a new cut. This will reduce the risk of kickback and potential injury.

CLEANING/REPLACING THE SPARK ARRESTOR

It is recommended to clean or replace the spark arrestor every 25 hours to ensure proper performance of your product. Spark arrestors may be in different locations depending on the model purchased. Please contact your nearest service dealer for the location of the spark arrestor for your model.

CHECKING THE FUEL CAP

**WARNING**

A leaking fuel cap is a fire hazard and must be replaced immediately.

The fuel cap contains a non-serviceable filter and check valve. A clogged fuel filter causes poor engine performance. If performance improves when the fuel cap is loosened, then the valve may be faulty or the filter may be clogged. Replace the fuel cap if necessary.
REPLACING THE SPARK PLUG

**WARNING**
The material of the spark plug is metal. It becomes very hot after you stop the engine. Wait the engine to cool down before you disassemble the metal spark plug boot to avoid personal injury.

**NOTE:** The engine uses a TORCH L8RTC spark plug or equivalent with 0.63 mm electrode gap. Use an exact replacement and replace the spark plug annually.
- Stop the engine.
- Twist the spark plug boot and pull it away from the spark plug.
- Loosen the spark plug by turning it in a counterclockwise direction using a combination wrench. Remove the old spark plug and replace with a new one and then tighten the spark plug to 22–25 N.m clockwise or 4.5 turns after finger tight. Assemble back the spark plug boot.

CLEANING THE AIR FILTER

For proper performance and longer life, keep the air filter clean.
- Ensure the product is in the off position.
- Remove the air filter cover.
- Remove the air filter and clean it with warm, soapy water.
- Rinse and let the air filter dry completely.
- Work two drops of lubricant into the air filter.
- Replace the air filter (fits only one way).
- Replace the air filter cover.

**NOTE:** The air filter should be replaced annually for the best performance.

CLEANING THE EXHAUST HOLE OF THE CYLINDER AND INTAKE HOLE OF THE MUFFLER

**WARNING**
Always stop the engine and allow it to cool down before cleaning the exhaust hole.

- Make sure the product is in the “off” position.
- Remove the spark plug boot from spark plug.
- Remove the screw on the top of housing counterclockwise.
- Remove the screw on the back of housing counterclockwise.
- Remove the housing from the engine.
- Remove the muffler screws counterclockwise, then remove the heat shield and muffler from the cylinder.
- Use the brush to clean the exhaust hole of cylinder and intake hole of the muffler.
- Replace the muffler and heat shield. Replace the screws and tighten them clockwise.
- Replace the housing, replace the screw on the top of the housing, and then tighten it clockwise.
- Replace the screw on the front of the housing, then tighten it clockwise.
- Replace the screw on the back of the housing, then tighten it clockwise.
- Replace the spark plug boot into the spark plug.
1. Starter grip
2. Fuel cap
3. Rear handle
4. Trigger lock
5. Trigger
6. Point blade
7. Blade cover
8. Spark plug
9. Adjustment handle
10. Hedge trimmer blade
11. Chain oil tank cap
12. Chain
13. Tensioning screw
14. Bar
15. String head housing and spring
16. Spool
17. String head cover
18. Grass deflector
19. Blade guard
20. String line
21. Pruner scabbard
22. Hedge scabbard
23. Front handle
24. Strap hanger
25. Switch
## TROUBLESHOOTING

If these solutions do not solve the problem, contact an Authorised Service Centre.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine will not start</td>
<td>No spark</td>
<td>The spark plug may be damaged. Remove it and check for dirt and cracks. Replace with a new spark plug.</td>
</tr>
<tr>
<td></td>
<td>No fuel</td>
<td>Push the primer bulb until bulb is full of fuel. If bulb does not fill, the primary fuel delivery system is blocked. Contact an authorised service centre. If the primer bulb fills, the engine may be flooded. Proceed to the next item.</td>
</tr>
<tr>
<td>Engine is flooded</td>
<td></td>
<td>Remove the spark plug. Turn the product so the spark plug hole is aimed at the ground. Rotate the choke dial to ( \text{ T1 } ) position and then pull the starter cord 10 to 15 times. This will clear the excess fuel from the engine. Remove any fuel splashed on the product. Clean and reinstall the spark plug. Clean any spilled fuel and move at least 9 m away before restarting. Pull the starter three times with choke dial at ( \text{ T1 } ). If the engine does not start, rotate the choke dial to ( \text{ T0 } ) position and then repeat the normal starting procedure. If the engine still fails to start, repeat the procedure with a new spark plug.</td>
</tr>
<tr>
<td>Starter rope is harder to pull</td>
<td></td>
<td>Contact an authorised service centre.</td>
</tr>
<tr>
<td>Old fuel</td>
<td></td>
<td>Only use fresh fuel mixed with recommended oil. Fuel over 30 days old may prevent the product from starting.</td>
</tr>
<tr>
<td>Engine starts but will not accelerate</td>
<td>Engine requires approximately three minutes to warm up</td>
<td>Allow the engine to completely warm-up. If engine does not accelerate after three minutes, contact an authorised service centre.</td>
</tr>
<tr>
<td>Engine starts but will only run at high speed at half choke</td>
<td>Carburetor requires adjustment</td>
<td>Contact an authorised service centre.</td>
</tr>
<tr>
<td>Engine does not reach full speed and emits excessive smoke.</td>
<td>Check the lubricant fuel mixture</td>
<td>Use fresh fuel and the correct 2-stroke lubricant mix.</td>
</tr>
<tr>
<td></td>
<td>Air filter is dirty</td>
<td>Clean air filter. Refer to “Cleaning the Air Filter” in this manual.</td>
</tr>
<tr>
<td></td>
<td>Spark arrestor screen is dirty</td>
<td>Contact an authorised service centre.</td>
</tr>
<tr>
<td>Engine starts, runs, and accelerates but will not idle</td>
<td>Idle speed screw on carburetor requires adjustment</td>
<td>Contact an authorised service centre.</td>
</tr>
<tr>
<td>Line will not advance</td>
<td>Line is welded to itself</td>
<td>Lubricate with silicone spray.</td>
</tr>
<tr>
<td></td>
<td>Not enough line on the spool</td>
<td>Install more line.</td>
</tr>
<tr>
<td></td>
<td>Line is worn too short</td>
<td>Pull the lines while alternately pressing down on and releasing the bump head.</td>
</tr>
<tr>
<td></td>
<td>Line is tangled on spool</td>
<td>Remove the line from the spool and rewind. Refer to “Line Replacement” in this manual.</td>
</tr>
<tr>
<td></td>
<td>Engine speed is too slow</td>
<td>Advance the line at full throttle.</td>
</tr>
<tr>
<td>Grass wraps around shaft housing and bump head</td>
<td>Cutting tall grass at ground level</td>
<td>Cut tall grass from the top down.</td>
</tr>
<tr>
<td></td>
<td>Operating the product at part throttle</td>
<td>Operate the product at full throttle.</td>
</tr>
<tr>
<td>Bump knob is hard to turn</td>
<td>Screw threads are dirty or damaged</td>
<td>Clean the threads and lubricate with grease. If there is no improvement, replace the bump knob.</td>
</tr>
<tr>
<td>Issue</td>
<td>Solution</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Lubricant drips from muffler</td>
<td>Operating the product at part throttle.</td>
<td></td>
</tr>
<tr>
<td>Lubricant/fuel mixture is dirty</td>
<td>Use fresh fuel and correct synthetic 2-stroke lubricant mix.</td>
<td></td>
</tr>
<tr>
<td>Air filter is dirty</td>
<td>Clean the air filter per instruction in “Maintenance” section.</td>
<td></td>
</tr>
<tr>
<td>Pole pruner: Bar and chain running hot and smoking</td>
<td>Chain tension for overtightened condition.</td>
<td></td>
</tr>
<tr>
<td>Chain oil tank is empty</td>
<td>Check oil tank.</td>
<td></td>
</tr>
<tr>
<td>Pole pruner: Motor runs, but chain is not rotating</td>
<td>Chain tension is too tight.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Retention chain. Refer to chain tension earlier in this manual.</td>
<td></td>
</tr>
</tbody>
</table>
# PRODUCT SPECIFICATIONS

**Grass trimmer/ brushcutter/ hedge trimmer/ pole pruner**

<table>
<thead>
<tr>
<th>Model</th>
<th>HLT33MTB</th>
</tr>
</thead>
</table>

**Weight**

- Without fuel, cutting attachment and harness for trimmer and brushcutter: 7.0 kg
- Without fuel, cutting attachment and harness for pole pruner: 6.7 kg

**Engine displacement**: 32.6 cm³

**Maximum engine output**: 0.9 kW

**Fuel tank capacity**: 900 cm³

**Engine type**: 2-stroke engine, air-cooled

**Engine idle speed range**: 2700–3300 min⁻¹

**Maximum rotational frequency of the spindle**: 8470 min⁻¹

**Brushcutter**

- **Cutting swath**: 256 mm
- **Cutting blade thickness**: 2.7 mm

**Grass Trimmer**

- **Cutting swath**: 430 mm
- **Cutting line diameter**: 2.4 mm

**Hedge trimmer**

- **Cutting capacity**: 24 mm
- **Blade length**: 400 mm
- **Maximum cutting speed**: 1870 min⁻¹

**Pole pruner**

- **Bar length**: 254 mm (10 inches)
- **Chain pitch**: 9.525 (3/8”)
- **Chain guage**: 1.27 mm (0.050 inches)
- **Chain drive links**: 39
- **Chain profile**: Low profile
- **Oil tank capacity**: 125 cm³

<table>
<thead>
<tr>
<th>Trimmer</th>
<th>Brushcutter</th>
<th>Pole Pruner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibration (in accordance with ISO 22667)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Rear handle</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Idling</td>
<td>4.0 m/s²</td>
<td>4.5 m/s²</td>
</tr>
<tr>
<td>- Racing</td>
<td>5.1 m/s²</td>
<td>3.7 m/s²</td>
</tr>
<tr>
<td>- Equivalent vibration total value</td>
<td>4.6 m/s²</td>
<td>4.1 m/s²</td>
</tr>
<tr>
<td><strong>Front handle</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Idling</td>
<td>2.6 m/s²</td>
<td>2.4 m/s²</td>
</tr>
<tr>
<td>- Racing</td>
<td>5.4 m/s²</td>
<td>4.7 m/s²</td>
</tr>
<tr>
<td>- Equivalent vibration total value</td>
<td>4.2 m/s²</td>
<td>3.8 m/s²</td>
</tr>
<tr>
<td><strong>Uncertainty of vibration measurement</strong></td>
<td>1.5 m/s²</td>
<td></td>
</tr>
</tbody>
</table>

**Noise emission (in accordance with ISO 22868)**

- **A-weighted emission sound pressure level at the operator’s position**
  - Idling | 80.4 dB (A) | 80.7 dB (A) | 80.4 dB (A) |
  - Racing | 100.4 dB (A) | 99.6 dB (A) | 98.8 dB (A) |
  - Equivalent | 97.4 dB (A) | 96.6 dB (A) | 95.8 dB (A) |
| **Uncertainty** | 3.0 dB (A) |

**A weighted emission sound power level**

- 106.8 dB (A) | 110.6 dB (A) | 112.6 dB (A) |

**Hedge Trimmer**

- **Vibration (in accordance with ISO 10517 Annex C)**
  - **Trigger handle**
    - Idling | 4.4 m/s² |
    - Racing | 2.7 m/s² |
    - Equivalent vibration total value | 3.7 m/s² |
  - **Front handle**
- Idling 2.8 m/s²
- Racing 6.0 m/s²
- Equivalent vibration total value 4.7 m/s²

Uncertainty of vibration measurement 1.5 m/s²

Noise emission (in accordance with ISO 10517 Annex D)
A-weighted emission sound pressure level at the operator’s position
- Idling 80.4 dB (A)
- Racing 96.4 dB (A)
- Equivalent 93.9 dB (A)

Uncertainty 3.0 dB (A)
A weighted emission sound power level 108.8 dB (A)

## REPLACEMENT PARTS

<table>
<thead>
<tr>
<th>Part</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>String head with cutting line</td>
<td>099992801004</td>
</tr>
<tr>
<td>Cutting line</td>
<td>099992801003</td>
</tr>
<tr>
<td>Cutting attachment guard</td>
<td>099992312083</td>
</tr>
<tr>
<td>Nylon locking nut</td>
<td>099992401009</td>
</tr>
<tr>
<td>Point blade (brushcutter)</td>
<td>099992801006</td>
</tr>
<tr>
<td>Saw chain (10 in.)</td>
<td>099992801005</td>
</tr>
<tr>
<td>Homelite bar 10” with silk screen</td>
<td>099992801074</td>
</tr>
</tbody>
</table>

### WARNING

The declared vibration value has been measured with a standard test method and may be used to compare one tool with another.

The declared vibration value may be used in a preliminary assessment of exposure.

The vibration emission during actual use of power tool can differ from the declared total value depending on the ways in which the tool is used.

Identify safety measures to protect yourself based on an estimation of exposure in the actual conditions of use, taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time.